

Apparatus for the automatic, uniform drawing-in of elastomeric material into worm extruders

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Abstract

A method of, and apparatus for, automatically and uniformly drawing-in elastomeric material into worm extruders comprising at least one draw-in roll for the material mixture, arranged in spaced relationship in front of the extruder worm or screw and driven independently of the worm. The draw-in roll is driven in a manner such that it only can transmit a predetermined adjustable rotational moment which is limited towards an upper range, or, if desired, the rotational speed of the draw-in roll is controlled as a function of a maximum upwardly limited pressure prevailing within a draw-in or infeed pocket between the draw-in roll and the worm or screw.

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